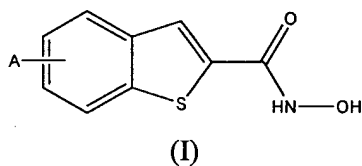


Amendments to the Claims:

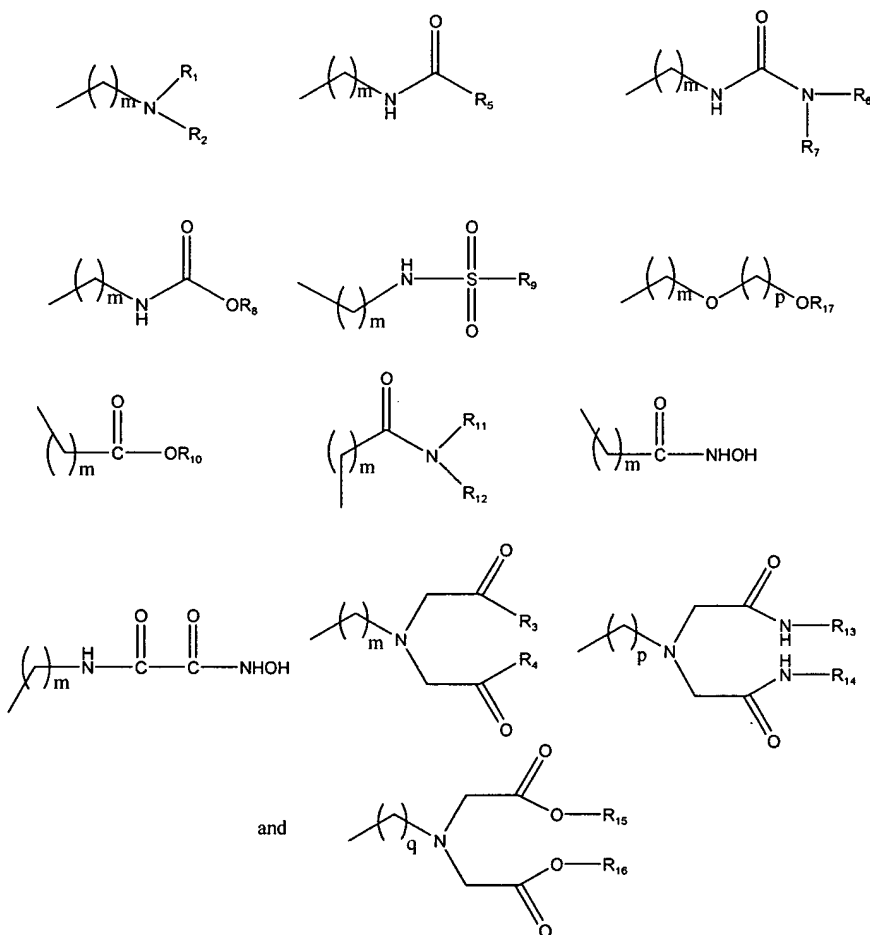
This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Original) A compound represented by the following structural Formula:



wherein A is alkyl, aryl or a group selected from:



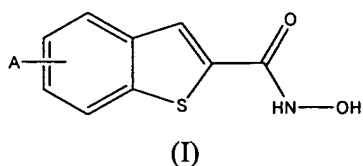
wherein R₁-R₁₇ are independently of each other a hydrogen or an unsubstituted or substituted alkyl, alkenyl, aryl, heteroalkyl, cycloalkyl, heterocyclyl, alkylaryl, cycloalkylaryl, alkylcycloalkyl, acyl,

sulfonyl, or alkylheterocyclyl; or one or more of R_1 and R_2 , R_6 and R_7 , and R_{11} and R_{12} , together with the nitrogen atom to which they are attached, form a nitrogen-containing heterocyclic ring;

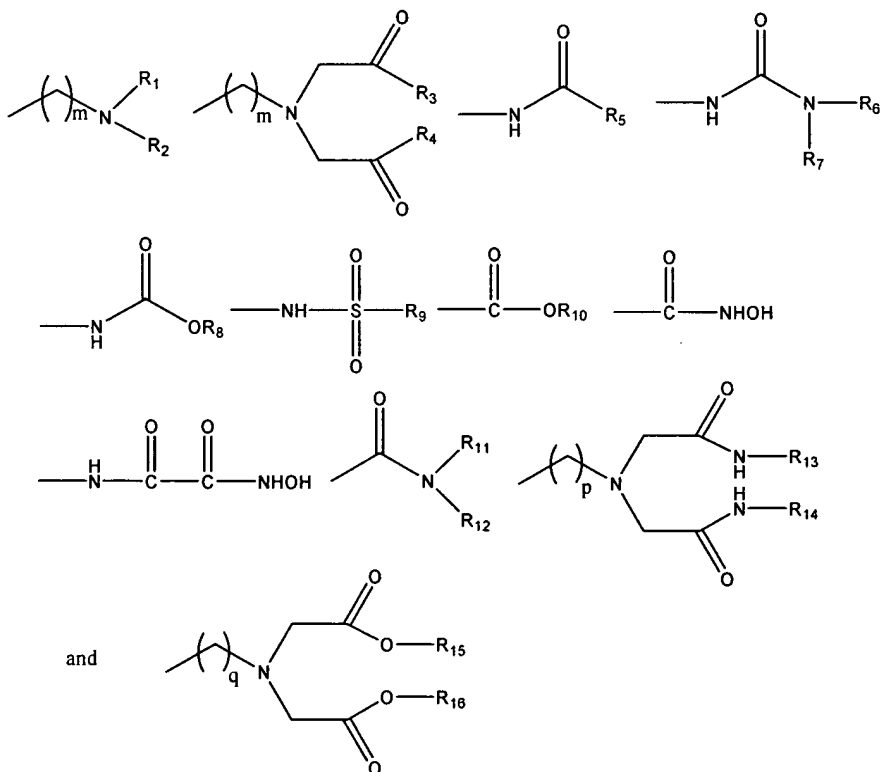
m , p and q are independently of each other 0, 1 or 2;

or a stereoisomer, enantiomer, racemate, pharmaceutically acceptable salt, solvate, hydrate or polymorph thereof.

2. (Original) The compound of Claim 1 of the Formula I:



wherein A is alkyl, aryl or a group selected from:

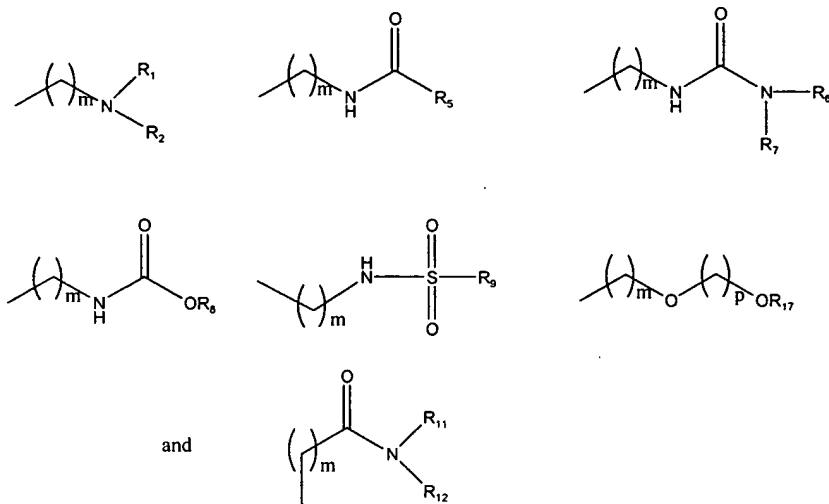


wherein R_1 - R_{16} are independently of each other a hydrogen or an unsubstituted or substituted alkyl, alkenyl, aryl, cycloalkyl, heterocyclyl, alkylaryl, alkylcycloalkyl or alkylheterocyclyl; or one or more of R_1 and R_2 , R_6 and R_7 , and R_{11} and R_{12} , together with the nitrogen atom to which they are attached, form a nitrogen-containing heterocyclic ring;

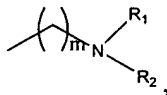
m , p and q are independently of each other 0, 1 or 2;

or a stereoisomer, enantiomer, racemate, pharmaceutically acceptable salt, solvate, hydrate or polymorph thereof.

3. (Original) The compound of claim 1, wherein A is selected from:



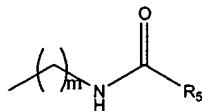
4. (Original) The compound of claim 1, wherein A is



wherein m is zero or one.

5. (Original) The compound of claim 4, wherein at least one of R₁ and R₂ is phenyl, naphthyl, biphenyl, benzyl, -CH₂CH₂Ph, -CH₂CH₂CH₂Ph, -CH=CHPh, cyclohexyl, quinolinyl, isoquinolinyl, -CH₂-cyclohexyl, -CH₂-quinolinyl, -CH₂-isoquinolinyl, pyridyl, -CH(Ph)₂, methyl, ethyl, propyl, isopropyl, butyl, isobutyl sec-butyl or tert-butyl.

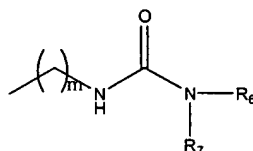
6. (Original) The compound of claim 1, wherein A is



7. (Original) The compound of claim 6, wherein R₅ is phenyl, naphthyl, biphenyl, benzyl,

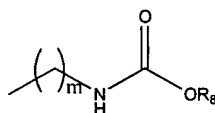
-CH₂CH₂Ph, -CH=CHPh, cyclohexyl, quinolinyl, isoquinolinyl, -CH₂-cyclohexyl, -CH₂-quinolinyl, -CH₂-isoquinolinyl, pyridyl, -CH(Ph)₂, methyl, ethyl, propyl, isopropyl, butyl, isobutyl sec-butyl or tert-butyl.

8. (Original) The compound of claim 1, wherein A is



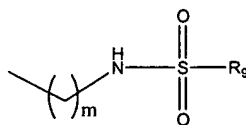
9. (Original) The compound of claim 8, wherein at least one of R₆ and R₇ is phenyl, naphthyl, biphenyl, benzyl, -CH₂CH₂Ph, -CH=CHPh, cyclohexyl, quinolinyl, isoquinolinyl, -CH₂-cyclohexyl, -CH₂-quinolinyl, -CH₂-isoquinolinyl, pyridyl, -CH(Ph)₂, methyl, ethyl, propyl, isopropyl, butyl, isobutyl sec-butyl or tert-butyl.

10. (Original) The compound of claim 1, wherein A is



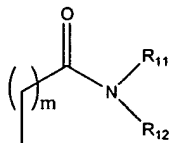
11. (Original) The compound of claim 10, wherein R₈ is phenyl, naphthyl, biphenyl, benzyl, -CH₂CH₂Ph, -CH=CHPh, cyclohexyl, quinolinyl, isoquinolinyl, -CH₂-cyclohexyl, -CH₂-quinolinyl, -CH₂-isoquinolinyl, pyridyl, -CH(Ph)₂, methyl, ethyl, propyl, isopropyl, butyl, isobutyl sec-butyl or tert-butyl.

12. (Original) The compound of claim 1, wherein A is



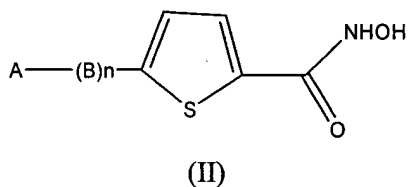
13. (Original) The compound of claim 13, wherein R₉ is phenyl, 1-naphthyl, 2-naphthyl, biphenyl, benzyl, -CH₂CH₂Ph, -CH=CHPh, cyclohexyl, quinolinyl, isoquinolinyl, thiophenyl, -CH₂-cyclohexyl, -CH₂-quinolinyl, -CH₂-isoquinolinyl, pyridyl, -CH(Ph)₂, methyl, ethyl, propyl, isopropyl, butyl, isobutyl sec-butyl or tert-butyl.

14. (Original) The compound of claim 1, wherein A is



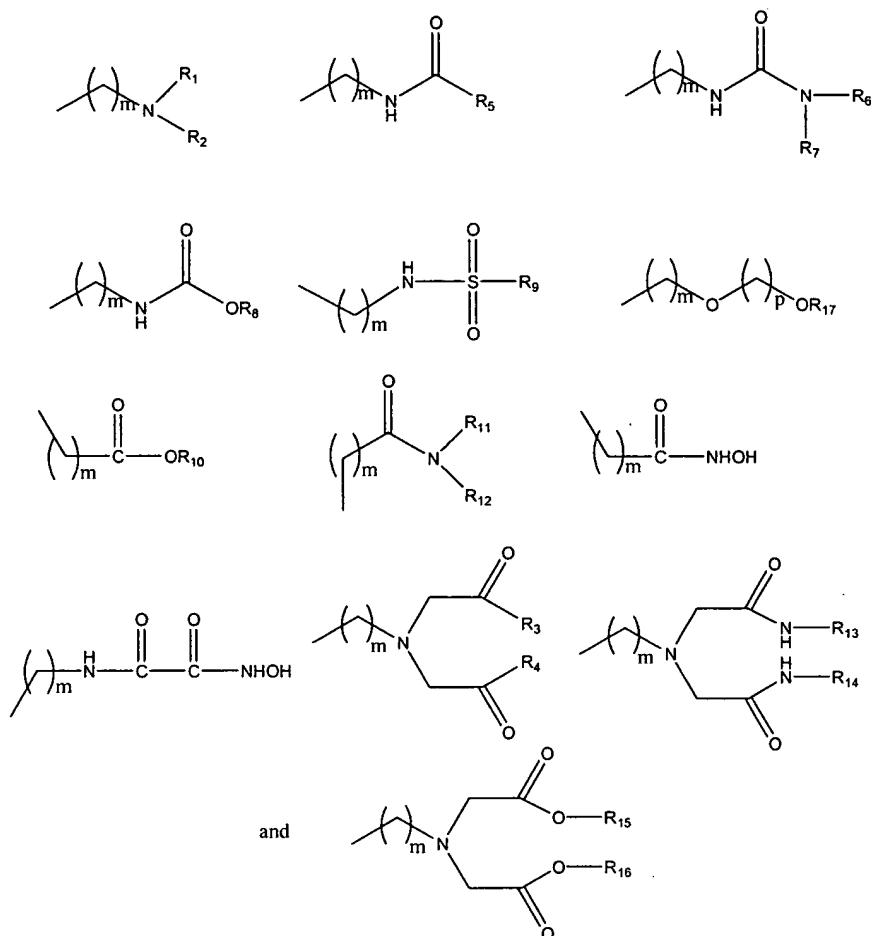
15. (Original) The compound of claim 14, wherein at least one of R₁₁ and R₁₂ is phenyl, naphthyl, biphenyl, benzyl, -CH₂CH₂Ph, -CH=CHPh, cyclohexyl, quinoliny, isoquinoliny, -CH₂-cyclohexyl, -CH₂-quinoliny, -CH₂-isoquinoliny, pyridyl, -CH(Ph)₂, methyl, ethyl, propyl, isopropyl, butyl, isobutyl sec-butyl or tert-butyl.

16. (Original) A compound represented by the following structural Formula:



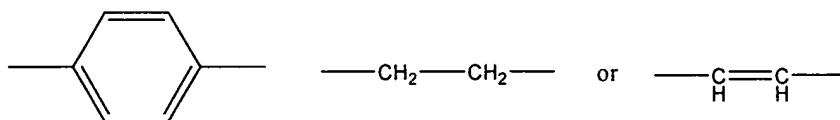
wherein

A is alkyl, aryl or a group selected from:



wherein R_1 - R_{17} are independently of each other a hydrogen or an unsubstituted or substituted alkyl, alkenyl, aryl, heteroalkyl, cycloalkyl, heterocyclyl, alkylaryl, cycloalkylaryl, alkylcycloalkyl, acyl, sulfonyl, or alkylheterocyclyl; or one or more of R_1 and R_2 , R_6 and R_7 , and R_{11} and R_{12} , together with the nitrogen atom to which they are attached, form a nitrogen-containing heterocyclic ring;

B is

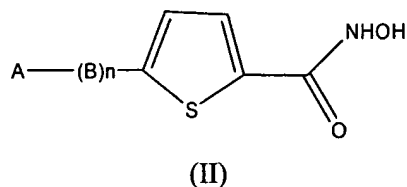


n is 0 or 1;

m, and p are independently of each other 0, 1 or 2;

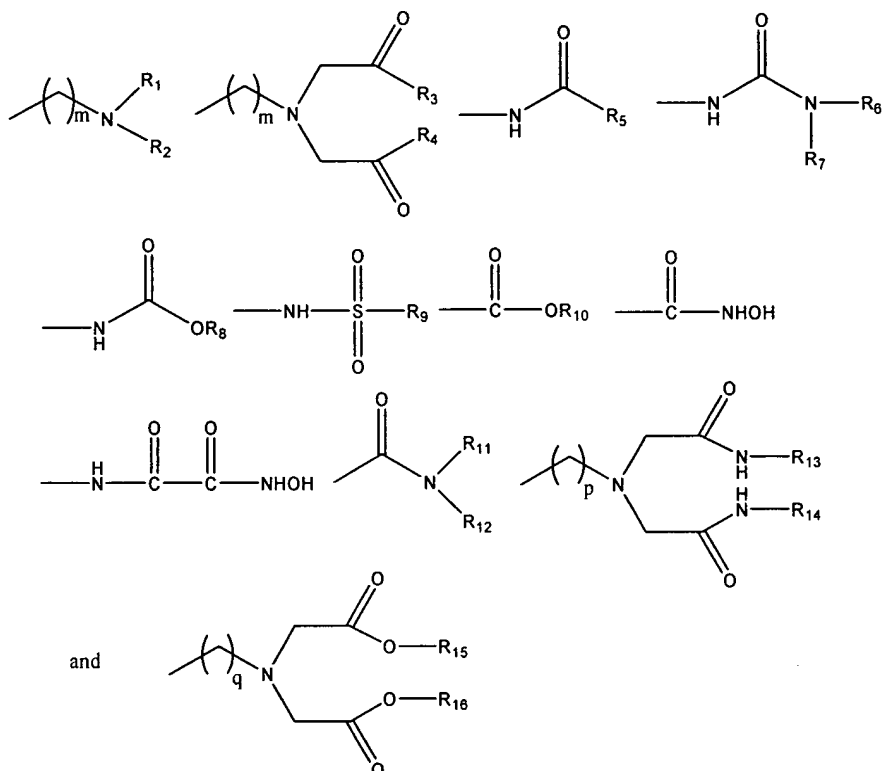
or a stereoisomer, enantiomer, racemate, pharmaceutically acceptable salt, solvate, hydrate or polymorph thereof.

17. (Original) The compound of Claim 16 of the Formula II:



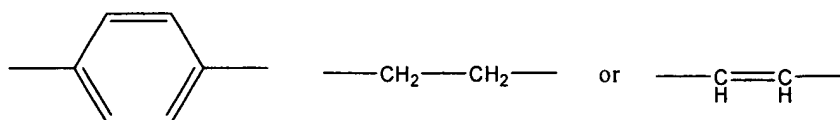
wherein

A is alkyl, aryl or a group selected from:



wherein R₁-R₁₆ are independently of each other a hydrogen or an unsubstituted or substituted alkyl, alkenyl, aryl, cycloalkyl, heterocyclyl, alkylaryl, alkylcycloalkyl or alkylheterocyclyl; or one or more of R₁ and R₂, R₆ and R₇, and R₁₁ and R₁₂, together with the nitrogen atom to which they are attached, form a nitrogen-containing heterocyclic ring;

B is



n is 0 or 1;

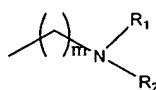
m, p and q are independently of each other 0, 1 or 2;

or a stereoisomer, enantiomer, racemate, pharmaceutically acceptable salt, solvate, hydrate or polymorph thereof.

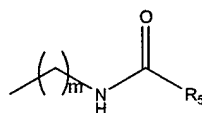
18. (Original) The compound of claim 16, wherein n is 0.

19. (Original) The compound of claim 16, wherein n is 1.

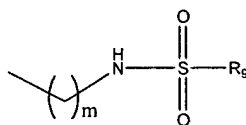
20. (Original) The compound of claim 16, wherein A is



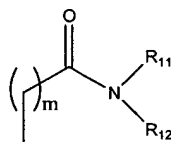
21. (Original) The compound of claim 16, wherein A is



22. (Original) The compound of claim 16, wherein A is



23. (Original) The compound of claim 16, wherein A is



24. (Original) A compound selected from:

6-Phenylacetyl-amino-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-Benzoyl-amino-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(Biphenyl-4-carbonyl)-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(3-Phenyl-propionylamino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(Naphthalene-2-carbonyl)-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-Isobutyrylamino-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

Quinoline-2-carboxylic acid (2-hydroxycarbamoyl-benzo[b]thiophen-6-yl)-amide;

N-(2-Hydroxycarbamoyl-benzo[b]thiophen-6-yl)-nicotinamide;

6-Diphenylacetyl-amino-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(Naphthalene-1-carbonyl)-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(3,4-Dimethoxy-benzoylamino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[2-(3,4-Dimethoxy-phenyl)-acetyl-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[2-(4-Fluoro-phenyl)-acetyl-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[2-(2,5-Dimethoxy-phenyl)-acetyl-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[2-(3-Methoxy-phenyl)-acetyl-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[2-(4-Chloro-phenyl)-acetyl-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[2-(4-Methoxy-phenyl)-acetyl-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(2-Phenyl-butyrylamino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(Methyl-phenylacetyl-amino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(2-Pyridin-2-yl-acetyl-amino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(2-Pyridin-3-yl-acetylamino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(2-Phenyl-propionylamino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-{{[1-(4-Chloro-phenyl)-cyclopropanecarbonyl]-amino}}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-{{[1-(1-Phenyl-cyclopropanecarbonyl)-amino]}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-{{[1-(4-Chloro-phenyl)-cyclobutanecarbonyl]-amino}}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[2-(4-Chloro-phenyl)-2-methyl-propionylamino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(2S-Phenyl-butyrylamino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(2R-Phenyl-butyrylamino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(Benzoylamino-methyl)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(Phenylacetylamino-methyl)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-{{[(Naphthalene-1-carbonyl)-amino]-methyl}}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-{{[2-(2-Methyl-benzoylamino)-methyl]}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-{{[4-(4-Methyl-benzoylamino)-methyl]}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-{{[3-(3-Methoxy-benzoylamino)-methyl]}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(4-Methoxy-benzoylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(3,4-Dimethoxy-benzoylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

N-(2-Hydroxycarbamoyl-benzo[b]thiophen-6-ylmethyl)-nicotinamide;

6-(Isobutyrylamino-methyl)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(2-Methoxy-benzoylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(4-Chloro-benzoylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-Phenylmethanesulfonylamino-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-Benzenesulfonylamino-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(Biphenyl-4-sulfonylamino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(Naphthalene-1-sulfonylamino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(Naphthalene-2-sulfonylamino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(Toluene-4-sulfonylamino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(Benzenesulfonylamino-methyl)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(Phenylmethanesulfonylamino-methyl)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(Naphthalene-1-sulfonylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(Naphthalene-2-sulfonylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(Toluene-4-sulfonylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(2,4,6-Trimethyl-benzenesulfonylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(4-tert-Butyl-benzenesulfonylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(4-Fluoro-benzenesulfonylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(4-Chloro-benzenesulfonylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(3-Chloro-benzenesulfonylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(4-Bromo-benzenesulfonylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(3-Bromo-benzenesulfonylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(3-Methoxy-benzenesulfonylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(4-Nitro-benzenesulfonylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(4-Methoxy-benzenesulfonylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(Thiophene-2-sulfonylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-{{[3-(4-Methoxy-phenoxy)-propane-1-sulfonylamino]-methyl}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(3-Benzyl-ureido)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

(2-Hydroxycarbamoyl-benzo[b]thiophen-6-yl)-carbamic acid ethyl ester;

(2-Hydroxycarbamoyl-benzo[b]thiophen-6-yl)-carbamic acid benzyl ester;

6-(3-Phenethyl-ureido)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(3-Benzyl-ureidomethyl)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

(2-Hydroxycarbamoyl-benzo[b]thiophen-6-ylmethyl)-carbamic acid benzyl ester;

6-[3-(4-Isopropyl-phenyl)-ureidomethyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[3-(4-tert-Butyl-phenyl)-ureidomethyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[3-(3,5-Bis-trifluoromethyl-phenyl)-ureidomethyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[3-(3-Phenoxy-phenyl)-ureidomethyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-Benzoylamino-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-Phenylacetylamino-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-(3-Phenyl-propionylamino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-(3-Phenyl-acryloylamino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-[(Naphthalene-1-carbonyl)-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-[(Naphthalene-2-carbonyl)-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

Quinoline-2-carboxylic acid (2-hydroxycarbamoyl-benzo[b]thiophen-5-yl)-amide;

N-(2-Hydroxycarbamoyl-benzo[b]thiophen-5-yl)-nicotinamide;

5-[(Biphenyl-4-carbonyl)-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-Diphenylacetyl-amino-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-Isobutyrylamino-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-[2-(4-Fluoro-phenyl)-acetyl-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-[2-(3-Methoxy-phenyl)-acetyl-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-[2-(3,4-Dimethoxy-phenyl)-acetyl-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-[2-(2,5-Dimethoxy-phenyl)-acetyl-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-(2-Phenyl-butyrylamino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-[2-(4-Chloro-phenyl)-acetyl-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-[2-(4-Methoxy-phenyl)-acetyl-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-[[1-(4-Chloro-phenyl)-cyclopentanecarbonyl]-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-(Naphthalene-2-sulfonylamino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-(Toluene-4-sulfonylamino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-Benzenesulfonylamino-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-Phenylmethanesulfonylamino-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-(Naphthalene-1-sulfonylamino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-(Biphenyl-4-sulfonylamino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

(2-Hydroxycarbamoyl-benzo[b]thiophen-5-yl)-carbamic acid benzyl ester;

(2-Hydroxycarbamoyl-benzo[b]thiophen-5-yl)-carbamic acid ethyl ester;

5-(3-Benzyl-ureido)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-Dibenzylamino-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-Dibenzylamino-benzo[b]thiophene-2-carboxylic acid methyl ester;

6-Dibenzylamino-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-(Bis-phenylcarbamoymethyl-amino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(Bis-phenylcarbamoymethyl-amino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[2-(4-Phenyl-piperazin-1-yl)-acetylamino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(2-3,4-Dihydro-1H-isoquinolin-2-yl-acetylamino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[2-(4-Benzyl-piperidin-1-yl)-acetylamino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

4-[(2-Hydroxycarbamoyl-benzo[b]thiophen-6-ylcarbamoyl)-methyl]-piperazine-1-carboxylic acid benzyl ester;

6-(2-Dibenzylamino-acetyl-amino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-{2-[4-(3-Methoxy-phenyl)-piperazin-1-yl]-acetyl-amino}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[2-(4-Pyrimidin-2-yl-piperazin-1-yl)-acetyl-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-{2-[4-(2-Methoxy-phenyl)-piperazin-1-yl]-acetyl-amino}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[2-(4-Pyridin-2-yl-piperazin-1-yl)-acetyl-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[2-(4-Acetyl-piperazin-1-yl)-acetyl-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(2-Piperidin-1-yl-acetyl-amino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(2-Morpholin-4-yl-acetyl-amino)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[2-(Benzyl-phenethyl-amino)-acetyl-amino]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

{tert-Butoxycarbonylmethyl-[(2-hydroxycarbamoyl-benzo[b]thiophen-6-ylcarbamoyl)-methyl]-amino}-acetic acid tert-butyl ester;

6-{2-[4-(2-Chloro-phenyl)-piperazin-1-yl]-acetyl-amino}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-{2-[4-(3-Chloro-phenyl)-piperazin-1-yl]-acetylamino}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

4-[(2-Hydroxycarbamoyl-benzo[b]thiophen-6-ylcarbamoyl)-methyl]-[1,4]diazepane-1-carboxylic acid benzyl ester;

4-[(2-Hydroxycarbamoyl-benzo[b]thiophen-6-ylcarbamoyl)-methyl]-piperazine-1-carboxylic acid ethyl ester;

6-{2-[4-(4-Methoxy-phenyl)-piperazin-1-yl]-acetylamino}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

Benzo[b]thiophene-2,6-dicarboxylic acid 2-hydroxyamide 6-{[2-(1H-indol-2-yl)-ethyl]-amide};

Benzo[b]thiophene-2,6-dicarboxylic acid 6-benzylamide 2-hydroxyamide;

Benzo[b]thiophene-2,6-dicarboxylic acid 2-hydroxyamide 6-[(pyridin-2-ylmethyl)-amide];

Benzo[b]thiophene-2,6-dicarboxylic acid 6-[(1-benzyl-piperidin-4-yl)-amide] 2-hydroxyamide;

Benzo[b]thiophene-2,6-dicarboxylic acid 6-[(2,2-diphenyl-ethyl)-amide] 2-hydroxyamide;

Benzo[b]thiophene-2,6-dicarboxylic acid 6-[(1,2-diphenyl-ethyl)-amide] 2-hydroxyamide;

Benzo[b]thiophene-2,6-dicarboxylic acid 6-benzhydryl-amide 2-hydroxyamide;

Benzo[b]thiophene-2,6-dicarboxylic acid 6-[(1H-benzoimidazol-2-ylmethyl)-amide] 2-hydroxyamide;

Benzo[b]thiophene-2,6-dicarboxylic acid 2-hydroxyamide 6-[(2-pyridin-2-yl-ethyl)-amide];

Benzo[b]thiophene-2,6-dicarboxylic acid 2-hydroxyamide 6-[(1,2,3,4-tetrahydro-naphthalen-1-yl)-amide];

6-(Piperidine-1-carbonyl)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

Benzo[b]thiophene-2,6-dicarboxylic acid 2-hydroxyamide 6-phenylamide;

Benzo[b]thiophene-2,6-dicarboxylic acid 2-hydroxyamide 6-indan-1-ylamide;

6-(4-Phenyl-piperazine-1-carbonyl)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[4-(4-Chloro-phenyl)-piperazine-1-carbonyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

Benzo[b]thiophene-2,6-dicarboxylic acid 2-hydroxyamide 6-[(3-phenyl-propyl)-amide];

Benzo[b]thiophene-2,6-dicarboxylic acid 2-hydroxyamide 6-(phenethyl-amide);

6-(4-Benzyl-piperidine-1-carbonyl)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(4-Benzyl-piperazine-1-carbonyl)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

Benzo[b]thiophene-2,6-dicarboxylic acid 2-hydroxyamide 6-quinolin-8-ylamide;

Benzo[b]thiophene-2,6-dicarboxylic acid 2-hydroxyamide 6-[(4-phenyl-thiazol-2-yl)-amide];

Benzo[b]thiophene-2,5-dicarboxylic acid 2-hydroxyamide 5-(2-methoxy-benzylamide);

Benzo[b]thiophene-2,5-dicarboxylic acid 2-hydroxyamide 5-(3-methoxy-benzylamide);

Benzo[b]thiophene-2,5-dicarboxylic acid 2-hydroxyamide 5-(4-methoxy-benzylamide);

Benzo[b]thiophene-2,5-dicarboxylic acid 5-(2-chloro-benzylamide) 2-hydroxyamide;

Benzo[b]thiophene-2,5-dicarboxylic acid 5-(3-chloro-benzylamide) 2-hydroxyamide;

Benzo[b]thiophene-2,5-dicarboxylic acid 5-(4-chloro-benzylamide) 2-hydroxyamide;

Benzo[b]thiophene-2,5-dicarboxylic acid 2-hydroxyamide 5-indan-1-ylamide;

Benzo[b]thiophene-2,5-dicarboxylic acid 2-hydroxyamide 5-{[2-(1H-indol-3-yl)-ethyl]-amide};

Benzo[b]thiophene-2,5-dicarboxylic acid 5-[(3,3-diphenyl-propyl)-amide] 2-hydroxyamide;

Benzo[b]thiophene-2,5-dicarboxylic acid 2-hydroxyamide 5-[(4-phenyl-butyl)-amide];

Benzo[b]thiophene-2,5-dicarboxylic acid 2-hydroxyamide 5-phenylamide;

Benzo[b]thiophene-2,5-dicarboxylic acid 2-hydroxyamide 5-(phenethyl-amide);

Benzo[b]thiophene-2,5-dicarboxylic acid 5-benzylamide 2-hydroxyamide;

Benzo[b]thiophene-2,5-dicarboxylic acid 2-hydroxyamide 5-[(3-phenyl-propyl)-amide];

Benzo[b]thiophene-2,5-dicarboxylic acid 5-(bis-phenylcarbamoylmethyl-amide) 2-hydroxyamide;

5-[(3-Methoxy-benzylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-(Benzylamino-methyl)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-Phenylaminomethyl-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-[(3-Benzoyloxy-phenylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-[(4-Methoxy-benzylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-[(2-Chloro-benzylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

- 5-[(4-Chloro-benzylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;
- 5-[(Benzhydryl-amino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;
- 5-(Phenethylamino-methyl)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;
- 5-[(2,2-Diphenyl-ethylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;
- 5-{[2-(3,4-Bis-benzyloxy-phenyl)-ethylamino]-methyl}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;
- 5-[(3-Phenyl-propylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;
- 5-[(3,3-Diphenyl-propylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;
- 5-[(4-Phenyl-butylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;
- 5-[(2-Morpholin-4-yl-ethylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;
- 5-[(Cyclohexylmethyl-amino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;
- 5-[(2-Methoxy-benzylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;
- 5-[(3-Chloro-benzylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;
- 5-{[(1H-Benzimidazol-2-ylmethyl)-amino]-methyl}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;
- 5-{[(Pyridin-2-ylmethyl)-amino]-methyl}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;
- 5-{[2-(3,4-Dimethoxy-phenyl)-ethylamino]-methyl}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-[[2-(1H-Indol-3-yl)-ethylamino]-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

5-[(1-Benzyl-piperidin-4-ylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(Benzylamino-methyl)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(2-Methoxy-benzylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(3-Methoxy-benzylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-Phenylaminomethyl-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(Phenethylamino-methyl)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(3-Phenyl-propylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(2-Chloro-benzylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(3-Chloro-benzylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(4-Chloro-benzylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[[(Benzo[1,3]dioxol-5-yl)methyl]-amino]-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-(Indan-1-ylaminomethyl)-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(9H-Fluoren-9-ylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(1,2-Diphenyl-ethylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(Cyclohexylmethyl-amino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(1,2,3,4-Tetrahydro-naphthalen-1-ylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-{{2-(2-Methyl-1H-indol-3-yl)-ethylamino}-methyl}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-{{(Pyridin-2-ylmethyl)-amino}-methyl}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(1-Benzyl-piperidin-4-ylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(4-Methoxy-benzylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-{{2-(1H-Indol-3-yl)-ethylamino}-methyl}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(4-Methoxy-benzylamino)-methyl]-benzo[b]thiophene-2-carboxylic acid ethyl ester;

6-{{Cyclohexyl-(4-methoxy-benzyl)-amino}-methyl}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-{{(4-Methoxy-benzyl)-(tetrahydro-pyran-4-yl)-amino}-methyl}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-{{(2-Hydroxy-ethyl)-(4-methoxy-benzyl)-amino}-methyl}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-{{Isopropyl-(4-methoxy-benzyl)-amino}-methyl}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-{{(4-Methoxy-benzyl)-methyl-amino}-methyl}-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(Acetyl-benzyl-amino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-[(Benzyl-methanesulfonyl-amino)-methyl]-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-Benzyloxymethyl-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

3-Chloro-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

6-Nitro-benzo[b]thiophene-2-carboxylic acid hydroxyamide;

N-Hydroxy-N'-(2-hydroxycarbamoyl-benzo[b]thiophen-6-yl)-oxalamide;

5-{3-[(Dibenzylamino)-methyl]-phenyl}-thiophene-2-carboxylic acid hydroxyamide;

5-{3-[(Benzyl-quinolin-3-ylmethyl-amino)-methyl]-phenyl}-thiophene-2-carboxylic acid hydroxyamide;

5-[3-(3,4-Dihydro-1H-isoquinolin-2-ylmethyl)-phenyl]-thiophene-2-carboxylic acid hydroxyamide;

5-[3-(4-Phenyl-piperazin-1-ylmethyl)-phenyl]-thiophene-2-carboxylic acid hydroxyamide;

5-{3-[(Benzyl-quinolin-4-ylmethyl-amino)-methyl]-phenyl}-thiophene-2-carboxylic acid hydroxyamide;

5-{3-[(Benzyl-phenethyl-amino)-methyl]-phenyl}-thiophene-2-carboxylic acid hydroxyamide;

5-{3-[(Bis-phenylcarbamoylmethyl-amino)-methyl]-phenyl}-thiophene-2-carboxylic acid hydroxyamide;

5-{3-[(Phenethyl-quinolin-3-ylmethyl-amino)-methyl]-phenyl}-thiophene-2-carboxylic acid hydroxyamide;

5-{3-[(Phenethyl-quinolin-4-ylmethyl-amino)-methyl]-phenyl}-thiophene-2-carboxylic acid hydroxyamide;

5-(3-{[(3-Phenyl-propyl)-quinolin-4-ylmethyl-amino]-methyl}-phenyl)-thiophene-2-carboxylic acid hydroxyamide;

5-(3-{[(3-Phenyl-propyl)-quinolin-3-ylmethyl-amino]-methyl}-phenyl)-thiophene-2-carboxylic acid hydroxyamide;

5-(3-{[Benzyl-(3-phenyl-propyl)-amino]-methyl}-phenyl)-thiophene-2-carboxylic acid hydroxyamide;

5-(4-Phenylcarbamoyl-phenyl)-thiophene-2-carboxylic acid hydroxyamide;

5-(4-Benzylcarbamoyl-phenyl)-thiophene-2-carboxylic acid hydroxyamide;

5-(2-Phenylcarbamoyl-vinyl)-thiophene-2-carboxylic acid hydroxyamide;

5-(2-Phenylcarbamoyl-ethyl)-thiophene-2-carboxylic acid hydroxyamide;

5-(2-Benzylcarbamoyl-vinyl)-thiophene-2-carboxylic acid hydroxyamide;

5-(2-Phenethylcarbamoyl-vinyl)-thiophene-2-carboxylic acid hydroxyamide;

5-[2-(3-Phenyl-propylcarbamoyl)-vinyl]-thiophene-2-carboxylic acid hydroxyamide;

5-[2-(Cyclohexylmethyl-carbamoyl)-vinyl]-thiophene-2-carboxylic acid hydroxyamide;

5-(2-Cyclohexylcarbamoyl-vinyl)-thiophene-2-carboxylic acid hydroxyamide;

5-[2-(2,2-Diphenyl-ethylcarbamoyl)-vinyl]-thiophene-2-carboxylic acid hydroxyamide;

5-[2-(3-Benzoyloxy-phenylcarbamoyl)-vinyl]-thiophene-2-carboxylic acid hydroxyamide;

5-(2-Benzylcarbamoyl-ethyl)-thiophene-2-carboxylic acid hydroxyamide;
5-(2-Phenethylcarbamoyl-ethyl)-thiophene-2-carboxylic acid hydroxyamide;
5-[2-(3-Phenyl-propylcarbamoyl)-ethyl]-thiophene-2-carboxylic acid hydroxyamide;
5-[2-(2,2-Diphenyl-ethylcarbamoyl)-ethyl]-thiophene-2-carboxylic acid hydroxyamide;
5-(2-Cyclohexylcarbamoyl-ethyl)-thiophene-2-carboxylic acid hydroxyamide;
5-Phenylacetyl-amino-thiophene-2-carboxylic acid hydroxyamide;
5-Benzenesulfonylamino-thiophene-2-carboxylic acid hydroxyamide;
5-Benzoylamino-thiophene-2-carboxylic acid hydroxyamide;
5-[(Naphthalene-1-carbonyl)-amino]-thiophene-2-carboxylic acid hydroxyamide;
5-[(Naphthalene-2-carbonyl)-amino]-thiophene-2-carboxylic acid hydroxyamide;
5-Phenylmethanesulfonylamino-thiophene-2-carboxylic acid hydroxyamide;
5-(Naphthalene-2-sulfonylamino)-thiophene-2-carboxylic acid hydroxyamide; and
5-(Naphthalene-1-sulfonylamino)-thiophene-2-carboxylic acid hydroxyamide

or a stereoisomer, enantiomer, racemate, pharmaceutically acceptable salt, solvate, hydrate or polymorph thereof.

25. - 29. (Cancelled).

30. (Original) A pharmaceutical composition comprising a pharmaceutically effective amount of the compound of any of claims 1-23, and a pharmaceutically acceptable carrier.

31. (Original) A method of inhibiting the activity of histone deacetylase 1 (HDAC-1), comprising contacting HDAC-1 with an effective amount of the compound of any one of claims 1-23 so as to inhibit the activity of HDAC-1.

32. (Original) A method of treating cancer in a subject in need of treatment comprising administering to said subject a therapeutically effective amount the compound of any one of claims 1-23.

33. (Currently amended) The method of claim ~~31~~32, wherein the cancer is selected from the group consisting of acute leukemia, ~~such as~~ acute lymphocytic leukemia (ALL), ~~and~~ acute myeloid leukemia (AML); chronic leukemia, ~~such as~~ chronic lymphocytic leukemia (CLL), ~~and~~ chronic myelogenous leukemia (CML), Hairy Cell Leukemia, cutaneous T-cell lymphoma (CTCL), noncutaneous peripheral T-cell lymphoma, lymphoma associated with human T-cell lymphotropic virus (HTLV), ~~such as~~ adult T-cell leukemia/lymphoma (ATLL), Hodgkin's disease, non-Hodgkin's lymphoma, large-cell lymphoma, diffuse large B-cell lymphoma (DLBCL); Burkitt's lymphoma; primary central nervous system (CNS) lymphoma; multiple myeloma; childhood solid tumors, ~~such as~~ brain tumor, neuroblastoma, retinoblastoma, Wilm's tumor, bone tumor, soft-tissue sarcoma, head and neck cancers, (~~e.g., oral cancer, laryngeal cancer, and esophageal cancer~~), genito urinary cancers, (~~e.g., prostate cancer, bladder cancer, renal cancer, uterine cancer, ovarian cancer, testicular cancer, rectal cancer, and colon cancer~~), lung cancer, breast cancer, pancreatic cancer, melanoma and other skin cancers, stomach cancer, brain tumors, liver cancer and thyroid cancer.

34. - 35. (Cancelled).

36. (Original) A method of treating a disease of the central nervous system in a subject in need thereof comprising administering to said subject a therapeutically effective amount of the compound of any one of claims 1-23.

37. (Currently amended) The method of claim ~~35~~ 36, wherein the disease is a polyglutamine expansion disease.

38. - 40. (Cancelled).

41. (Original) A method of treating a patient having a tumor characterized by proliferation of neoplastic cells, comprising the step of administering to the patient a compound of any one of claims 1-23, in an amount effective to selectively induce terminal differentiation, induce cell growth arrest and/or induce apoptosis of such neoplastic cells and thereby inhibit their proliferation.

42. - 43. (Cancelled).